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CLAIMS

Adeloid

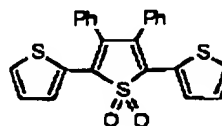
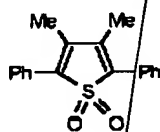
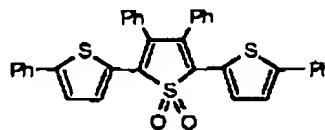
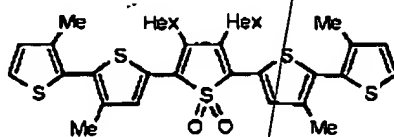
1) A luminescent organic material for light-emitting devices, characterized by comprising at least one thienyl-S,S-dioxide unit.

2) A luminescent organic material as claimed in Claim 1, characterized by comprising at least one thiophene ring in the α position of the ring of said thienyl-S,S-dioxide.

3) A luminescent organic material as claimed in Claim 2, characterized by having at least one alkyl or aryl substituent in the β position of the ring of said thienyl-S,S-dioxide.

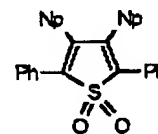
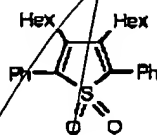
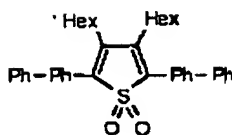
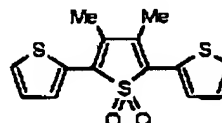
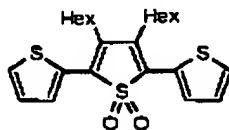
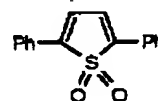
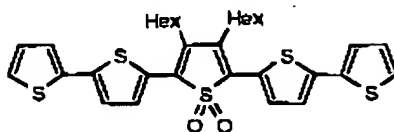
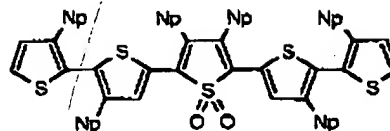
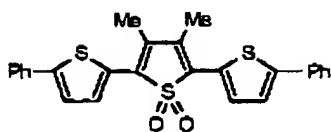
4) A luminescent organic material as claimed in Claim 3, characterized in that said alkyl substituents are of such a form as to prevent π - π stacking and the formation of planar or partly planar structures.

5) A luminescent organic material for light-emitting devices, characterized by comprising at least one substance selected from the group consisting of :



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wherein Me = methyl; Hex = n-hexyl; Np = neo-pentyl; Ph = phenyl; Ph-Ph = p-biphenyl

6) Use of a luminescent material as claimed in Claim 1 in contacts.

7) Use of a luminescent material as claimed in Claim 1 in organic LEDs.

8) A light-emitting diode comprising a luminescent material, characterized in that said luminescent material comprises at least a thienyl-S,S-dioxide.

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